### TankPro® Series

## Continuous Submersible Level Transmitter



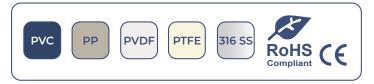


## **Product Description**

The TankPro® Submersible Level Transmitter provides continuous level measurement for both corrosive and non-corrosive liquids. These submersible hydrostatic transmitters have been designed for the toughest industrial applications. Unlike ultrasonic level transmitters, our liquid level sensors are completely unaffected by any foam, vapor, turbulence or condensate in the tank.

The TankPro® Level Transmitter comes equipped with a local LCD Display that screws into the top of the tank with a 1" or 2" NPT connection.

The TankPro® Series comes in PVC, PP, PVDF, PTFE Teflon® or 316 SS making them the perfect level sensor for your chemical tank application.

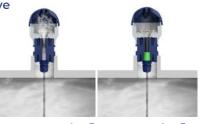


#### **Features**

- Easy Calibration
- **⊘** Non Clogging Design | Great With Sediment
- Heavy Duty Rugged Design
- No Moving Parts
- Automatic Temperature Compensation
- **②** 2" NPT Connection
- 4-20mA Loop Powered

### VaporBloc® Technology

- Blocks Out Corrosive **Chemical Fumes**
- Pressure Tested to 75 psi
- Protects Internal Wiring Connections



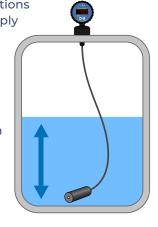
No VaporBloc® VaporBloc®

#### **Working Principle**

The Solution to Tough Applications Where Ultrasonic Sensors Simply

DO NOT WORK!

Accurate Level Reading by measuring the head pressure of the liquid pushing down on ceramic sensing diaphragm.





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## **Technical Specifications**

Input Pressure Range		
Level ft/H <sub>2</sub> O	14	
Over Pressure psi	210	
Burst Pressure psi	290	
Output Signal   Supply		
Standard	4-20mA Loop Powered   9-36 VDC	
Performance		
Accuracy	<± 0.5% Full Scale or Better	
Permissible Load	Rmax = [(Vs-Vsmin)/0.02 A]	
Influence Effects	Supply : 0.05% Full Scale Load : 0.05% Full Scale	
Long Term Stability	<± 0.1% Full Scale Over One Year	
Response Time	<10 msec	
Accuracy According to IEC 60770 - Limit Point Adjustment   Non-Linearity   Hysteresis   Repeatability		
Thermal Effects   Offset and Span		
Thermal Drift	<± 0.2% FSO/K in Compensated Range   -20 - 170°F	
Temperatures		
Operating Temperatures	PVC: 32°F - 140°F   PP: -20°F - 170°F   PVDF: -40°F - 170°F   PTFE: -40°F - 170°F   316 SS: -40°F - 170°F	
Electrical Connection		
Input Voltage	24 VDC	
Jacketed Cable	PTFE Teflon®   0 - 200°F	
3 Wire Cable with Integrated Air Tube for Atmospheric Pressure Reference		
Materials   Wetted		
Housing	PVC   PP   PVDF   PTFE   316 SS	
Seals	FFKM - Kalrez®	
Diaphragm	Ceramic 96% Al203   316 SS	

#### **Model Selection**

Material	Part Number
PVC	191-1001-A113302F
PP	191-1001-B113302F
PVDF	191-1001-E113302F
316 SS	191-1001-SS113302F



